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U. S. Department of Agriculture - Forest Service  
CENTRAL STATES FOREST EXPERIMENT STATION

Technical Note 43.

November 1, 1941

VOLUME TABLE  $\frac{1}{2}$

for

PITCH PINE

(*Pinus rigida*)

Jackson and Hocking Counties, Ohio

Merchantable Stem to a Variable Top Diameter				INTERNATIONAL Rule ( $\frac{1}{4}$ " Kerf)	
Diameter breast high outside bark (inches)	Gross volume of stem in 12.3-foot logs to merchantable height			Top d.i.b. at merchantable limit	Basis in trees
	1 log	2 logs	3 logs		
	Bd.ft.	Bd.ft.	Bd.ft.	Inches	Number
9	21	34	44	6.5	} 24
10	27	43	56	6.9	
11	33	53	69	7.5	} 23
12	41	64	84	8.0	
13	49	77	101	8.6	} 5
14	57	91	119	9.1	
15	67	106	139	9.7	} 3
16	77	122	160	10.4	
17		140	184	11.0	} 1
18		160	209	11.7	
Basis in trees-- number	25	26	5	--	56

$\frac{1}{2}$  Trees measured by J. W. Girard in 2-inch diameter classes and in 10- to 16-foot log lengths, above a 1-foot stump, and scaled as such. Table prepared in 1941 by the equation method. Coefficient of multiple correlation (R) is .92. Band of the standard error of estimate, 82.4 to 121.3 percent. Block shows limits of basic data. Statistical assistance furnished by personnel of WPA Official Project No. 65-2-42-296.

The total estimated gross volume of single pitch pine trees or stands should be corrected for cull (including defect, sweep, crook, shake, etc.) by a percentage reduction. This percentage should be determined locally through observing the cull elements and through experience of sawmill operators as regards losses from rot, shake, etc., in utilizing this species.

R. E. Emmer

